

MEPNN Supplier Scouting Opportunity Synopsis

Item Information	
Scouting Number	2023-115
Item to be Scouted	Vehicle Body Shell Structure
Days to be scouted	30
Description	Aluminum carbody shell structure, including Frame-end, Floor, Roof and Side (for Rail Rolling Stock).
State item to be used in	California

Contact Information	
Email	j
First Name	
Last Name	
Department / Company / MEP Center	
Bureau / Division / MEP Center Regional Office	R

Supplier Information	
Type of supplier being sought	Manufacturer
Reason	BABA

Summary of technical specifications and performance requirements	
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>The component is the Passenger Vehicle car body shell, which is fabricated by a process of MiG welding of high strength aluminum extrusions to form a 3 meter x 4 meter x 22 meter monocoque structure.</p> <p>The manufacturing process also includes welding appurtenances to this structure and machining it to form a complete car body, finishing and preparing the surfaces, and painting to achieve a finished car body shell ready for fitting in the US with interiors and equipment.</p>
Provide dimensions / size / tolerances / performance specifications for the item	Product is still in design but rough dimensions are: 3 meter x 4 meter x 22 meter
List required materials needed to make the product, including materials of product components	aluminum extrusions, welding wire, sheet metal, adhesives, paint and other coatings, etc.
Are there applicable certification requirements?	Yes

Details	<p>EN Welding spec.</p> <p>The EN 15085 welding standard is not an equivalent to the AWS welding standard typically applied in the US. The primary difference is that in the US, each welder (person) is qualified to the particular/specific welding process being used, while the EN standard qualifies the business or site for the type of welding being performed. So, in the EU, the business is qualified and the people (welders) performing the welding activity may or may not have been qualified (tested) to make sure they can perform the work to the proper quality level.</p> <p>Contact Alstom Transportation (Daniel James <james-jd.daniel@alstomgroup.com>) for additional information on welding specs.</p>
Are there applicable regulations?	Yes
Details	FRA Buy America (https://railroads.dot.gov/legislation-regulations/buy-america/buy-america)
Additional Technical Comments	<p>Alstom Engineering will be available to discuss follow on questions for technical specifications.</p> <p>Contact Alstom Transportation (Daniel James <james-jd.daniel@alstomgroup.com>) for additional information on welding specs.</p>

Volume and Pricing

Estimated potential business volume	120 car body shells
Estimated target price / unit cost information (if unavailable explain)	\$500,000 (ESTIMATED PRICE per car body shell)

Delivery Requirements

When is it needed by?	June 2025
Describe packaging requirements	Packaging and logistics info in attached.
Where will this item be shipped?	Hornell, NY

Additional Comments

Is there other information you would like to include?	See packaging and logistics info in attached.
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